

## Claims

1. Sulfur-vulcanizable rubber compound, in particular for tire tread rubber, containing
  - At least one diene rubber,
  - 5 • Liquid polybutadiene with a molecular weight of 1500 – 10000 g/mol and a vinyl content of 15 – 50%,
  - At least one polar filler,
  - At least one high-structure black with an iodine adsorption number of 115 – 200 g/kg and a DBP number of 125 – 160 mL/100 g and
  - 10 • At least one glyceride and/or a factice.
2. Rubber compound according to claim 1, characterized in that the diene rubber(s) are selected from the group comprising natural rubber, synthetic polyisoprene, polybutadiene and styrene-butadiene copolymer.
3. Rubber compound according to claim 1 or 2, characterized in that the  
15 liquid polybutadiene has a molecular weight of 2000 – 5000 g/mol and a vinyl content of 20 – 35%.
4. Rubber compound according to at least one of the preceding claims, characterized in that it contains 10 – 50 parts by weight liquid polybutadiene per 100 parts by weight of the diene rubber(s), selected  
20 from the group comprising natural rubber, synthetic polyisoprene, polybutadiene and styrene-butadiene copolymer.
5. Rubber compound according to at least one of the preceding claims, characterized in that it contains silicic acid as a polar filler and the weight ratio of silicic acid to high-structure black in the compound is 10:1 to 1:2.
- 25 6. Rubber compound according to at least one of the preceding claims, characterized in that it contains 10 – 70 parts by weight high-structure black per 100 parts by weight of the diene rubber(s), selected from the

group comprising natural rubber, synthetic polyisoprene, polybutadiene and styrene-butadiene copolymer.

7. Rubber compound according to at least one of the preceding claims, characterized in that as glyceride it contains rape-seed oil in an amount of 5 – 10 parts by weight per 100 parts by weight of the diene rubber(s) selected from the group comprising natural rubber, synthetic polyisoprene, polybutadiene and styrene-butadiene copolymer.

8. Rubber compound according to at least one of the preceding claims, characterized in that it contains

- 10 – 80 parts by weight natural rubber,
- 0 – 70 parts by weight polybutadiene,
- 0 – 80 parts by weight solution-polymerized styrene-butadiene copolymer,
- 10 – 50 parts by weight liquid polybutadiene
- 20 – 110 parts by weight silicic acid,
- 10 – 70 parts by weight high-structure black and
- 5 – 20 parts by weight rape-seed oil,

whereby the parts by weight of natural rubber, polybutadiene and solution-polymerized styrene-butadiene copolymer add up to 100.

9. Tire, the part of the tread rubber of which that comes into contact with the road comprises at least in part a sulfur-vulcanized rubber compound according to at least one of claims 1 through 8.